

1631

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/128,718A

DATE: 02/14/2001  
TIME: 17:53:33

Input Set : A:\PTO.txt  
Output Set: N:\CRF3\02142001\I128718A.raw

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3 <110> APPLICANT: Heller, Michael  
4 Tu, Eugene  
6 <120> TITLE OF INVENTION: Self-Addressable Self-Assembling Microelectronic Systems and Devices  
for  
7 Molecular Biological Analysis and Diagnostics  
9 <130> FILE REFERENCE: Nanogen 236/092  
11 <140> CURRENT APPLICATION NUMBER: 09/128,718A  
C--> 12 <141> CURRENT FILING DATE: 1998-08-03  
14 <150> PRIOR APPLICATION NUMBER: 08/725,976  
15 <151> PRIOR FILING DATE: 1996-10-04  
17 <160> NUMBER OF SEQ ID NOS: 31  
19 <170> SOFTWARE: PatentIn version 3.0  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 23  
23 <212> TYPE: DNA  
24 <213> ORGANISM: synthetic construct  
26 <220> FEATURE:  
27 <221> NAME/KEY: misc\_feature  
28 <222> LOCATION: (23)..(23)  
29 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
32 <400> SEQUENCE: 1  
33 gctagccct gctcatgagt ctc 23  
36 <210> SEQ ID NO: 2  
37 <211> LENGTH: 20  
38 <212> TYPE: DNA  
39 <213> ORGANISM: synthetic construct  
41 <220> FEATURE:  
42 <221> NAME/KEY: misc\_feature  
43 <222> LOCATION: (20)..(20)  
44 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
47 <400> SEQUENCE: 2  
48 aaaaaaaaaa aaaaaaaaaa 20  
51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 33  
53 <212> TYPE: DNA  
54 <213> ORGANISM: synthetic construct  
56 <220> FEATURE:  
57 <221> NAME/KEY: misc\_feature  
58 <222> LOCATION: (33)..(33)  
59 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil  
62 <400> SEQUENCE: 3  
63 ctacgtggac ctggagagga aggagactgc ctg 33  
66 <210> SEQ ID NO: 4  
67 <211> LENGTH: 19  
68 <212> TYPE: DNA  
69 <213> ORGANISM: synthetic construct  
71 <220> FEATURE:  
72 <221> NAME/KEY: misc\_feature

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73 <222> LOCATION: (19)..(19)
74 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
77 <400> SEQUENCE: 4
78 gagttcagca aatttggag 19
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 19
83 <212> TYPE: DNA
84 <213> ORGANISM: synthetic construct
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (19)..(19)
89 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
92 <400> SEQUENCE: 5
93 cgtagaactc ctcatctcc 19
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 17
98 <212> TYPE: DNA
99 <213> ORGANISM: synthetic construct
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (17)..(17)
104 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
107 <400> SEQUENCE: 6
108 gtctccttcc tctccag 17
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 19
113 <212> TYPE: DNA
114 <213> ORGANISM: synthetic construct
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (19)..(19)
119 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
122 <400> SEQUENCE: 7
123 gatgagcagt tctacgtgg 19
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 17
128 <212> TYPE: DNA
129 <213> ORGANISM: synthetic construct
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (17)..(17)
134 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
137 <400> SEQUENCE: 8
138 ctggagaaga aggagac 17
141 <210> SEQ ID NO: 9
142 <211> LENGTH: 21
143 <212> TYPE: DNA
144 <213> ORGANISM: synthetic construct
146 <220> FEATURE:

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147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (21)..(21)
149 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
152 <400> SEQUENCE: 9
153 ttccacagac ttagatttga c                               21
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 19
158 <212> TYPE: DNA
159 <213> ORGANISM: synthetic construct
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (19)..(19)
164 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
167 <400> SEQUENCE: 10
168 ttccgcagat ttagaagat                                   19
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 19
173 <212> TYPE: DNA
174 <213> ORGANISM: synthetic construct
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (19)..(19)
179 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
182 <400> SEQUENCE: 11
183 tgtttgctg ttctcagac                                   19
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 19
188 <212> TYPE: DNA
189 <213> ORGANISM: synthetic construct
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (19)..(19)
194 <223> OTHER INFORMATION: Sequence is followed by a 3-terminal ribonucleoside uracil
197 <400> SEQUENCE: 12
198 catcgctgtg acaaaacat                                   19
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 20
203 <212> TYPE: DNA
204 <213> ORGANISM: synthetic construct
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (1)..(1)
209 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
212 <400> SEQUENCE: 13
213 tgcgagctgc agtcagacat                                   20
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 18
218 <212> TYPE: DNA
219 <213> ORGANISM: synthetic construct

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221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)..(1)
224 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
227 <400> SEQUENCE: 14
228 gagagactca tgagcagg                                     18
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 18
233 <212> TYPE: DNA
234 <213> ORGANISM: synthetic construct
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (1)..(1)
239 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
242 <400> SEQUENCE: 15
243 cctgctcatg agtctctc                                     18
246 <210> SEQ ID NO: 16
247 <211> LENGTH: 20
248 <212> TYPE: DNA
249 <213> ORGANISM: synthetic construct
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (1)..(1)
254 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
257 <400> SEQUENCE: 16
258 tttttttttt tttttttttt                                   20
261 <210> SEQ ID NO: 17
262 <211> LENGTH: 33
263 <212> TYPE: DNA
264 <213> ORGANISM: synthetic construct
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)..(1)
269 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
272 <400> SEQUENCE: 17
273 caggcagtct ccttcctctc caggtccacg tag                     33
276 <210> SEQ ID NO: 18
277 <211> LENGTH: 19
278 <212> TYPE: DNA
279 <213> ORGANISM: synthetic construct
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <222> LOCATION: (1)..(1)
284 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
287 <400> SEQUENCE: 18
288 ctccaaattt gctgaactc                                     19
291 <210> SEQ ID NO: 19
292 <211> LENGTH: 19
293 <212> TYPE: DNA

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294 <213> ORGANISM: synthetic construct
296 <220> FEATURE:
297 <221> NAME/KEY: misc_feature
298 <222> LOCATION: (1)..(1)
299 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
302 <400> SEQUENCE: 19
303 ggagatgagg agttctacg                                     19
306 <210> SEQ ID NO: 20
307 <211> LENGTH: 17
308 <212> TYPE: DNA
309 <213> ORGANISM: synthetic construct
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (1)..(1)
314 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
317 <400> SEQUENCE: 20
318 ctggagagga aggagac                                     17
321 <210> SEQ ID NO: 21
322 <211> LENGTH: 19
323 <212> TYPE: DNA
324 <213> ORGANISM: synthetic construct
326 <220> FEATURE:
327 <221> NAME/KEY: misc_feature
328 <222> LOCATION: (1)..(1)
329 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
332 <400> SEQUENCE: 21
333 ccacgtagaa ctgctcatc                                     19
336 <210> SEQ ID NO: 22
337 <211> LENGTH: 17
338 <212> TYPE: DNA
339 <213> ORGANISM: synthetic construct
341 <220> FEATURE:
342 <221> NAME/KEY: misc_feature
343 <222> LOCATION: (1)..(1)
344 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
347 <400> SEQUENCE: 22
348 gtctccttct tctccag                                     17
351 <210> SEQ ID NO: 23
352 <211> LENGTH: 21
353 <212> TYPE: DNA
354 <213> ORGANISM: synthetic construct
356 <220> FEATURE:
357 <221> NAME/KEY: misc_feature
358 <222> LOCATION: (1)..(1)
359 <223> OTHER INFORMATION: "Aminolink2" modified with an amino terminus
362 <400> SEQUENCE: 23
363 gtcaaatacta agtctgtgga a                               21
366 <210> SEQ ID NO: 24
367 <211> LENGTH: 19

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VERIFICATION SUMMARY                      DATE: 02/14/2001  
PATENT APPLICATION: US/09/128,718A        TIME: 17:53:34

Input Set : A:\PTO.txt  
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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date